



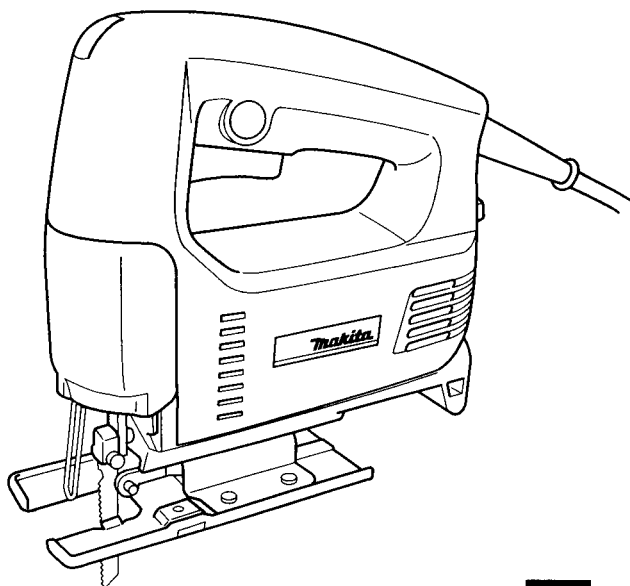
アメリカ

Jig Saw

MODEL 4322

MODEL 4323

INSTRUCTION MANUAL



**DOUBLE
INSULATION**

SPECIFICATIONS

Model	Length of stroke	Max. cutting capacities		Strokes per minute	Overall length	Net weight
		Wood	Mild steel			
4322	18 mm	65 mm	6 mm	3,100	207 mm (8-1/8")	1.8 kg (4.0 lbs)
4323	(11/16")	(2-9/16")	(1/4")	500 — 3,100		

* Manufacturer reserves the right to change specifications without notice.

* Note: Specifications may differ from country to country.

WARNING: For your personal safety, READ and UNDERSTAND before using.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

GENERAL SAFETY RULES

(For All Tools)

WARNING! Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

READ ALL INSTRUCTIONS.

WORK AREA

1. **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

4. **Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation □ eliminates the need for the three wire grounded power cord and grounded power supply system.
5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
6. **Don't expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
8. **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W."** These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.

- 11. Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- 12. Remove adjusting keys or switches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- 13. Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- 14. Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

- 15. Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
- 16. Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
- 17. Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- 18. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- 19. Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- 20. Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
- 21. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
- 22. Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

SERVICE








- 23. Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
- 24. When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

Specific Safety Rules

1. **Avoid cutting nails. Inspect for and remove all nails from the workpiece before operation.**
2. **Do not cut hollow pipe.**
3. **Do not cut oversize workpiece.**
4. **Check for the proper clearance beneath the workpiece before cutting so that the blade will not strike the floor, workbench, etc.**
5. **Hold the tool firmly.**
6. **Make sure the blade is not contacting the workpiece before the switch is turned on.**
7. **Keep hands away from moving parts.**
8. **When cutting through walls, floors or wherever “live” electrical wires may be encountered, DO NOT TOUCH ANY METAL PARTS OF THE TOOL!
Hold the tool only by the insulated grasping surfaces to prevent electric shock if you cut through a “live” wire.**
9. **Do not leave the tool running. Operate the tool only when hand-held.**
10. **Always switch off and wait for the blade to come to a complete stop before removing the blade from the workpiece.**
11. **Do not touch the blade or the workpiece immediately after operation; they may be extremely hot and could burn your skin.**

SYMBOLS

The followings show the symbols used for tool.

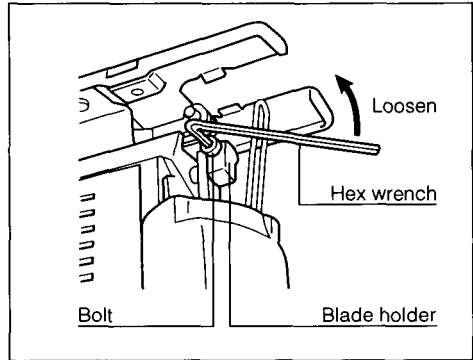
V	..... volts
A	..... amperes
Hz	..... herts
kg	..... kilograms
h	..... hours
min	..... minutes
s	..... seconds
	..... alternating current
	..... direct current
n_0	..... no load speed
	..... alternating or direct current
	..... Class II Construction
	..... splash-proof construction
	..... watertight construction
.../min	..... revolutions or reciprocation per minute
	..... number of blow

Installing or removing the saw blade

CAUTION:

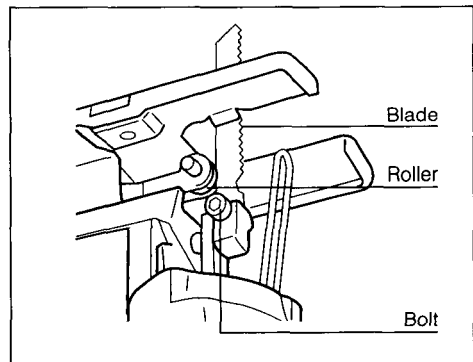
- Always be sure that the tool is switched off and unplugged before installing or removing the blade.
- Always clean out all chips or foreign matter adhering to the blade and/or blade holder. Failure to do so may cause insufficient tightening of the blade, resulting in a serious injury.

To install the blade, loosen the bolt on the blade holder with the hex wrench.



With the blade teeth facing forward, insert the blade into the blade holder as far as it will go. Make sure that the back edge of the blade fits into the roller. Then tighten the bolt to secure the blade.

To remove the blade, follow the installation procedures in reverse.

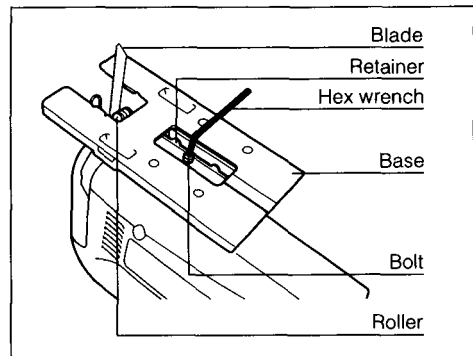


Adjusting roller

Loosen the bolt on the back of the tool base with the hex wrench. Move the retainer so that the roller contacts the blade lightly. Then tighten the bolt to secure the tool base and the retainer.

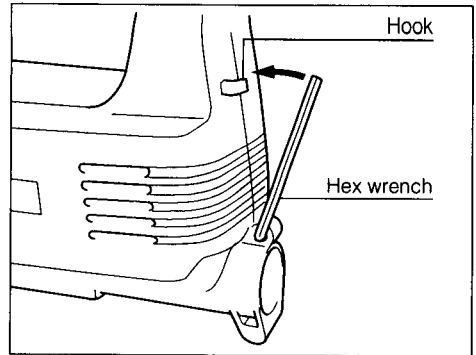
NOTE:

Occasionally lubricate the roller.



Hex wrench storage

When not in use, the hex wrench can be conveniently stored as shown in the figure.

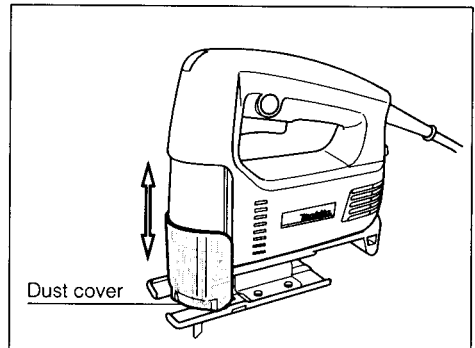


Dust cover

CAUTION:

Always wear safety goggles even when operating the tool with the dust cover lowered.

Lower the dust cover to prevent chips from flying. However, when making bevel cuts, raise it all the way.



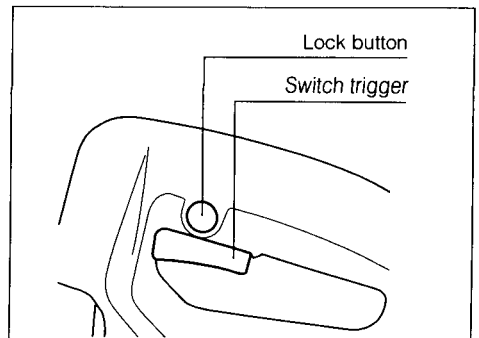
Switch action

CAUTION:

Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock button.

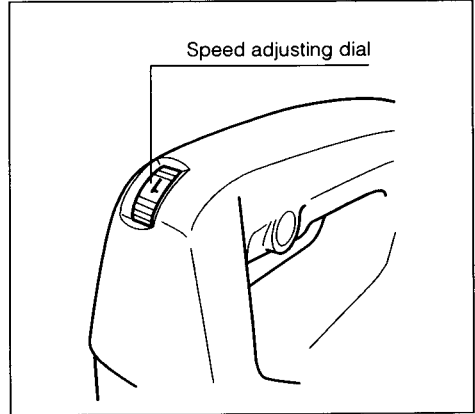
To stop the tool from the locked position, pull the trigger fully, then release it.



Speed adjusting dial For 4323 only

The tool speed can be infinitely adjusted between 500 and 3,100 strokes per minute by turning the adjusting dial. Higher speed is obtained when the dial is turned in the direction of number 6; lower speed is obtained when it is turned in the direction of number 1. Refer to the table below to select the proper speed for the workpiece to be cut. However, the appropriate speed may differ with the type of thickness of the workpiece. In general, higher speeds will allow you to cut workpieces faster but the service life of the blade will be reduced.

Workpiece to be cut	Number on adjusting dial
Wood	5 – 6
Mild steel	3 – 6
Stainless steel	3 – 4
Aluminum	3 – 6
Plastics	1 – 4



CAUTION:

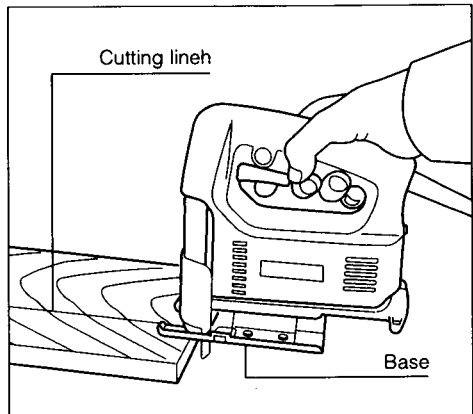
The speed adjusting dial can be turned only as far as 6 and back to 1. Do not force it past 6 or 1, or the speed adjusting function may not longer work.

Operation

CAUTION:

Always hold the tool base flush with the workpiece. Failure to do so may cause blade breakage, resulting in a serious injury.

Turn the tool on and wait until the blade attains full speed. Then rest the tool base flat on the workpiece and gently move the tool forward along the previously marked cutting line. When cutting curves, advance the tool very slowly.

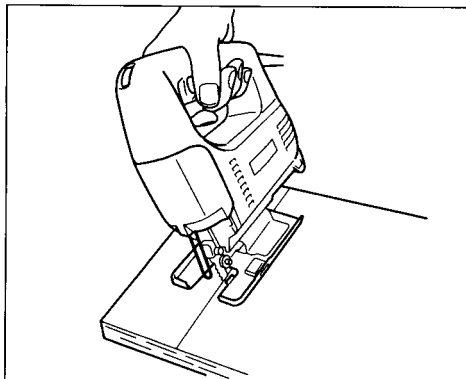


Bevel cutting

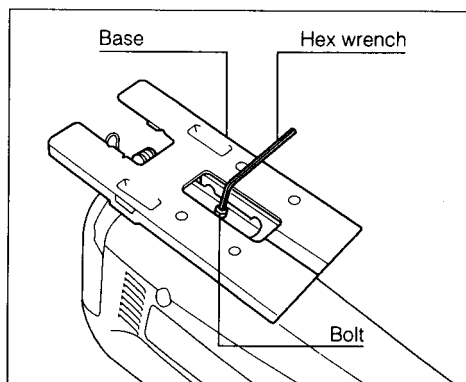
CAUTION:

- Always be sure that the tool is switched off and unplugged before tilting the tool base.
- Raise the dust cover all the way before making bevel cuts.

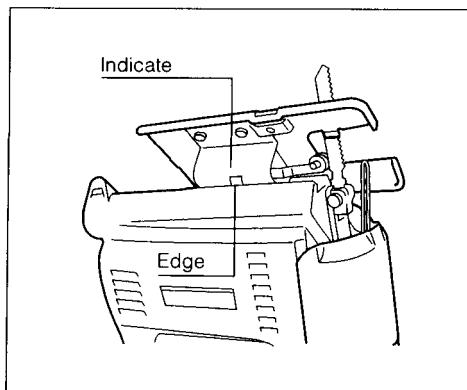
With the tool base tilted, you can make bevel cuts at any angle between 0° and 45° (left or right).



Loosen the bolt on the back of the tool base with the hex wrench. Move the tool base so that the bolt is positioned in the center of the cross-shaped slot in the tool base.

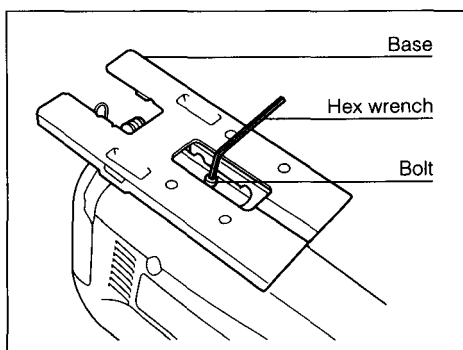


Tilt the tool base until the desired bevel angle is obtained. The edge of the motor housing indicates the bevel angle. Check the contact between the back edge of the blade and the roller, then tighten the bolt to secure the tool base.



Front flush cuts

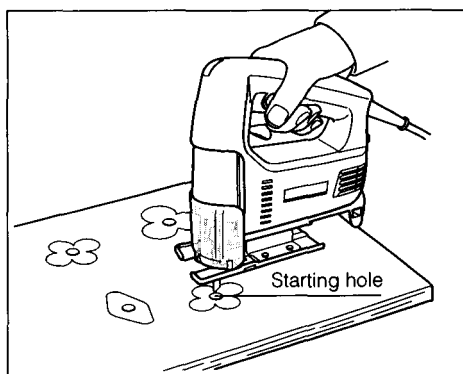
Loosen the bolt on the back of the tool base with the hex wrench, then move the tool base all the way back. Then tighten the bolt to secure the tool base.



Cutouts

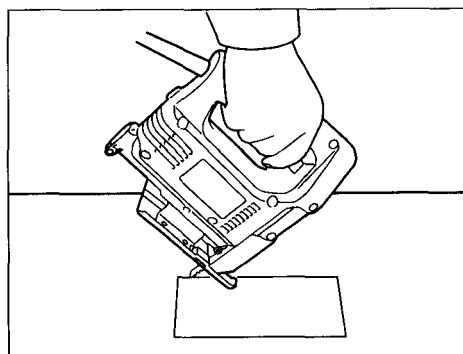
Cutouts can be made with either of two methods A or B.

A) Boring a starting hole: For internal cutouts without a lead-in cut from an edge, pre-drill a starting hole 12 mm (1/2") or more in diameter. Insert the blade into this hole to start your cut.



B) Plung cutting: You need not bore a starting hole or make a lead-in cut if you carefully do as follows.

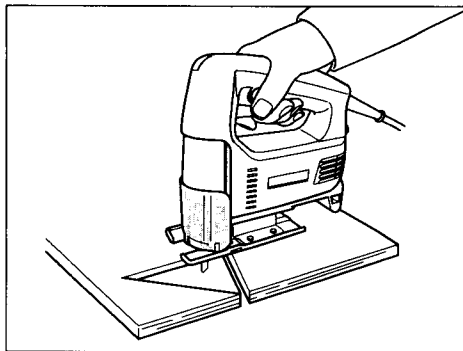
1. Tilt the tool up on the front edge of the base with the blade point positioned just above the workpiece surface.
2. Apply pressure to the tool so that the front edge of the base will not move when you switch on the tool and gently lower the back end of the tool slowly.



3. As the blade pierces the workpiece, slowly lower the base of the tool down onto the workpiece surface.
4. Complete the cut in the normal manner.

Finishing edges

To trim edges or make dimensional adjustments, run the blade lightly along the cut edges.



Metal cutting

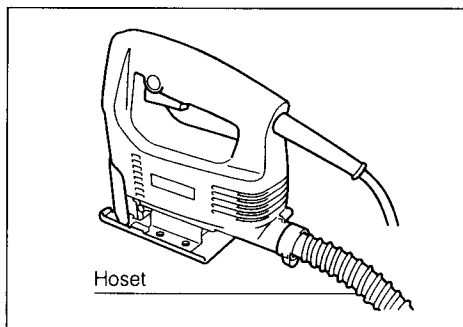
Always use a suitable coolant (cutting oil) when cutting metal. Failure to do so will cause significant blade wear. The underside of the workpiece can be greased instead of using a coolant.

Dust extraction

Clean cutting operations can be performed by connecting this tool to a Makita vacuum cleaner. Insert the hose of the vacuum cleaner into the hole at the rear of the tool. Lower the dust cover before operation.

CAUTION:

Dust extraction cannot be performed when making bevel cuts.



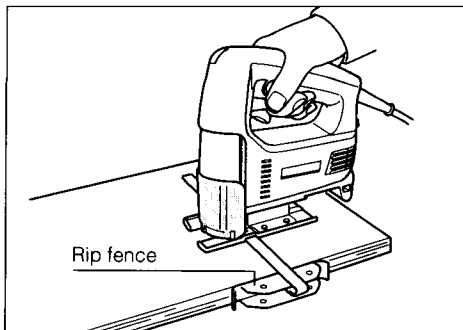
Rip fence (optional accessory)

CAUTION:

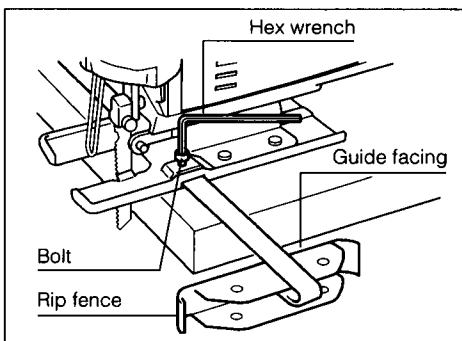
Always be sure that the tool is switched off and unplugged before installing or removing accessories.

1) Straight cuts

When repeatedly cutting widths of 160 mm (6-9/32") or less, use of the rip fence (guide rule) will assure fast, clean, straight cuts.



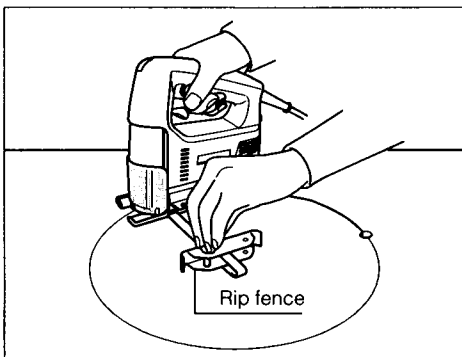
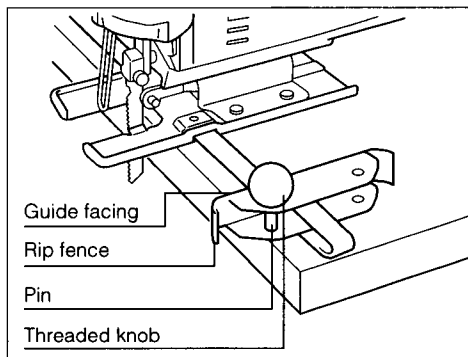
To install, insert the rip fence into the rectangular hole on the side of the tool base with the fence guide facing down. Slide the rip fence to the desired cutting width position, then tighten the bolt to secure it.



2) Circular cuts

When cutting circles or arcs of 170 mm (6-11/16") or less in radius, install the rip fence as follows.

Insert the rip fence into the rectangular hole on the side of the tool base with the fence guide facing up. Insert the circular guide pin through the either of the two holes on the fence guide. Screw the threaded knob onto the pin to secure the pin. Now slide the rip fence to the desired cutting radius, and tighten the bolt to secure it in place. Then move the tool base all the way forward.

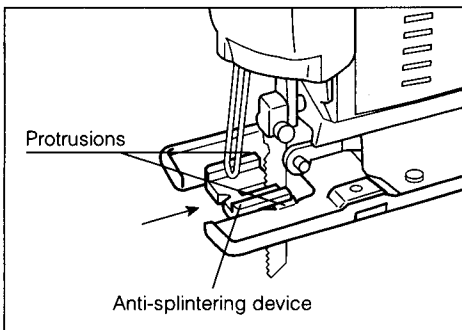


Anti-splintering device (optional accessory)

For splinter-free cuts, the anti-splintering device can be used. To install the anti-splintering device, move the tool base all the way forward and insert it between the two protrusions of the tool base.

CAUTION:

The anti-splintering device cannot be used when making bevel cuts.



MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

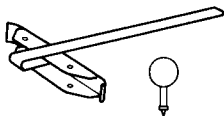
ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

- **Rip fence set (guide rule)**

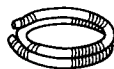
Part No. 192732-4



- **Hose** (Inner dia. 1-1/8")

1.5 m (3.3 ft) Part No. 192278-0

3.0 m (6.6 ft) Part No. 192279-8



- **Hex wrench 3**

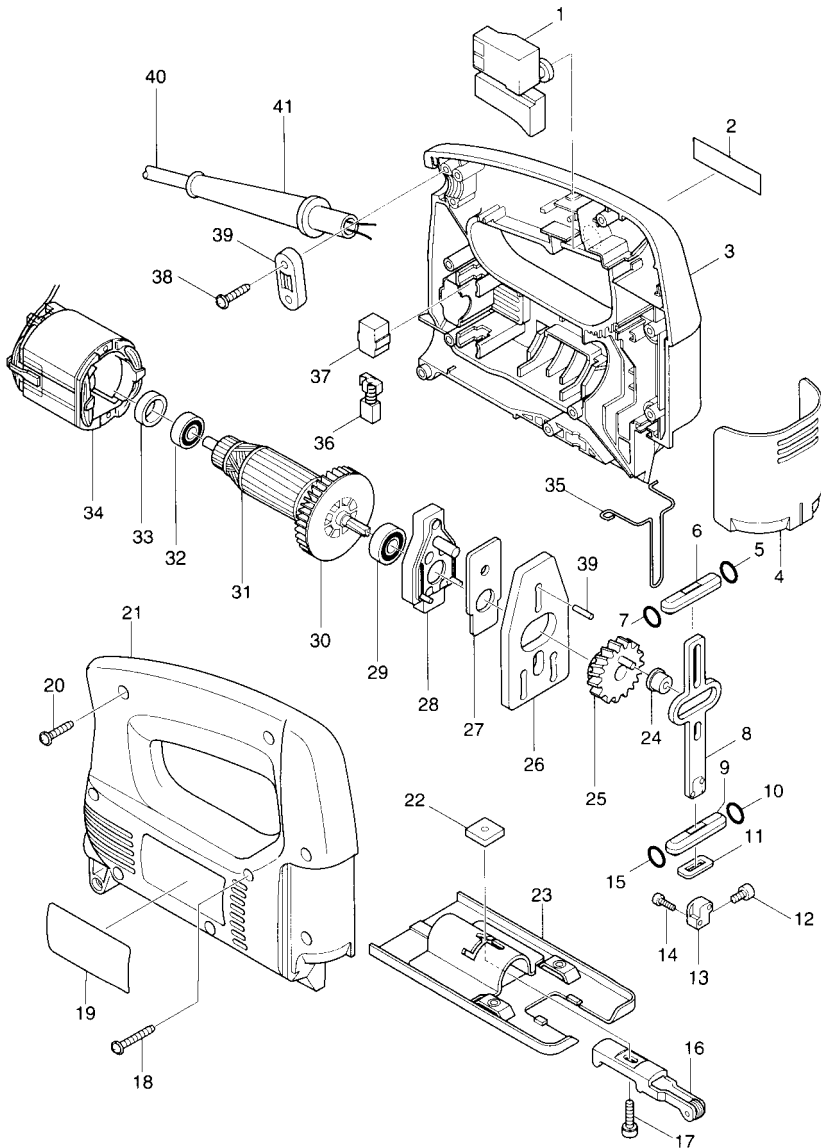
Part No. 783201-2



• Tang Shank Jig saw blades

	Feature	Teeth /Inch	Cutting length	Pkg. Qty.	Part No.
#B-10	For fast finish work, especially in plywood	9	3-1/8"	5	792529-7
#B-11	For fast finish work	9	3"	5	792463-1
#B-12	For fast finish work	6	3-1/8"	5	792464-9
#B-13	For roughing-in work	8	3-1/8"	5	792465-7
#BR-13	For splinter-free cuts in wood and plywood	9	2"	5	792729-9
#B-14	Ideal for cutting thin materials	9	2"	5	792466-5
#B-15	Ideal for cutting thin materials	18	3-1/8"	5	792467-3
#B-16	For fast cutting	6	2-3/4"	5	792468-1
#B-16L	Ideal for cutting thick materials	6	6-1/8"	5	792730-4
#B-17	Ideal for scroll cutting	6	2-3/4"	5	792469-9
#B-18	Ideal for scroll cutting	14	1-3/4"	5	792470-4
#B-19	For tough plastics and decorative veneer finishing	12	2-1/2"	5	792471-2
#B-21	For plastic finish work and tough plastics	12	3"	5	792472-0
#B-22	Ideal for stainless steel Also for tough plastics	24	2"	5	792473-8
#B-23	Ideal for stainless steel Also for tough plastics	14	2"	5	792474-6
#B-24	Ideal for stainless steel Also for tough plastics	32	2"	5	792475-4
#B-25	For hardwoods, thick mild steel plate and tough plastics	9	3"	5	792476-2
#B-26	For scroll cutting in hardwoods and for tough plastics	9	2-3/4"	5	792477-0
#B-27	Ideal for scroll cutting For tough plastics	24	2"	5	792478-8
#51	Ideal for stainless steel Also for tough plastics	24	2-1/2"	5	792428-3
#58	For fast cutting	8	3-1/8"	5	792429-1
#59	For fast finish work	8	3-1/8"	5	792430-6

JIG SAW Model 4322

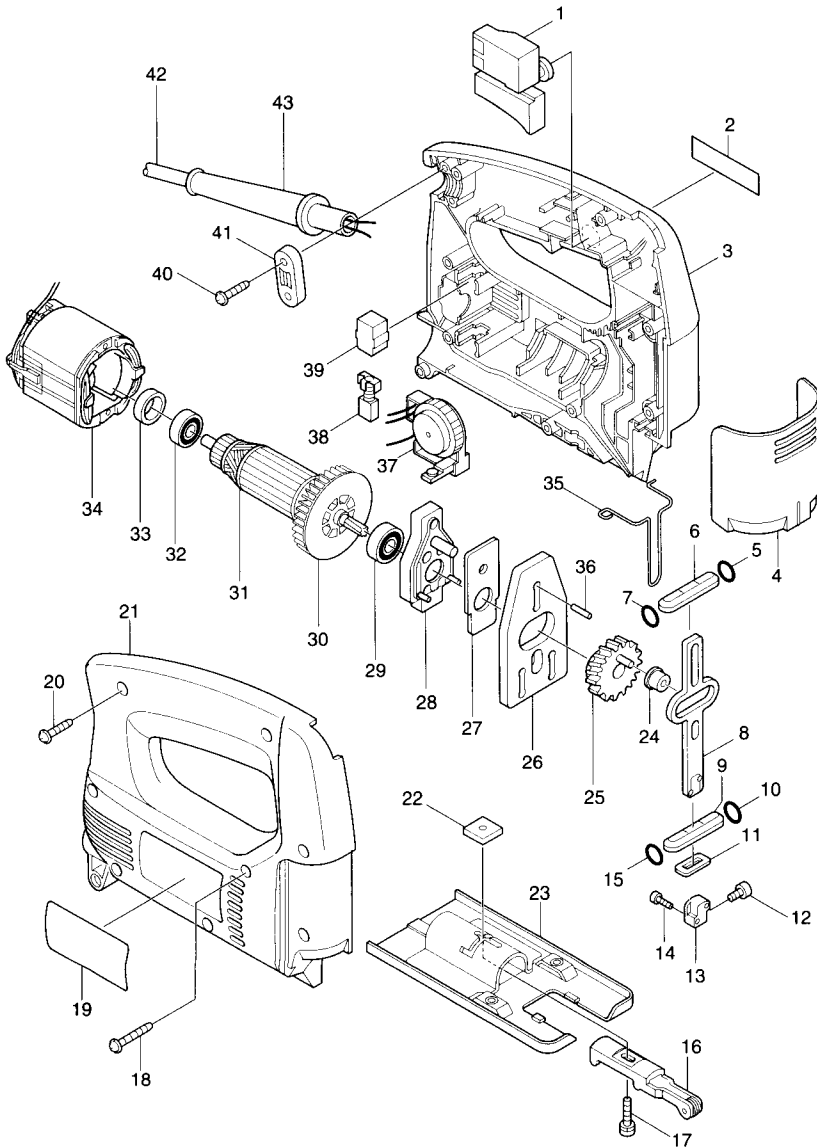


Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<u>MACHINE</u>			<u>MACHINE</u>		
1	1	Switch	22	1	Holder
2	1	Makita Label	23	1	Base
3	1	Housing Set (With Item 2 & 21)	24	1	Collar Sleeve 4
4	1	Dust Cover	25	1	Gear Complete
5	1	O Ring 5	26	1	Balance Plate
6	1	Slider Guide	27	1	Thrust Plate
7	1	O Ring 5	28	1	Bearing Case Complete
8	1	Slider	29	1	Ball Bearing 608DDW
9	1	Slider Guide	30	1	Fan 52
10	1	O Ring 5	31	1	ARMATURE ASSEMBLY (With Item 29, 30 & 32)
11	1	Poly Uretane Sponge Seal	32	1	Ball Bearing 607LLB
12	1	Hex. Socket Head Bolt M4x8	33	1	Ring 19
13	1	Blade Clamp	34	1	Field
14	2	Hex. Socket Head Bolt M3x10	35	1	Safety Wire
15	1	O Ring 5	36	2	Carbon Brush
16	1	Retainer Complete	37	2	Brush Holder
17	1	Hex. Socket Head Bolt M4x16	38	2	Tapping Screw 4x18
18	1	Tapping Screw Flange PT 4x35	39	1	Strain Relief
19	1	Name Plate	40	1	Cord
20	9	Tapping Screw 4x18	41	1	Cord Guard
21	1	Housing Set (With Item 2 & 3)			

Note: The switch and other part specifications may differ from country to country.

JIG SAW Model 4323



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10	1	O Ring 5			Ball Bearing 607LLB
11	1	Poly Uretane Sponge Seal	32	1	Ring 19
12	1	Hex. Socket Head Bolt M4x8	33	1	Field
13	1	Blade Clamp	34	1	Safety Wire
14	2	Hex. Socket Head Bolt M3x10	35	1	Pin 3
15	1	O Ring 5	36	1	Controller
16	1	Retainer Complete	37	1	Carbon Brush
17	1	Hex. Socket Head Bolt M4x16	38	2	Brush Holder
18	1	Tapping Screw Flange PT 4x35	39	2	Tapping Screw 4x18
19	1	Name Plate	40	2	Strain Relief
20	9	Tapping Screw 4x18	41	1	Cord
21	1	Housing Set (With Item 2 & 3)	42	1	Cord Guard
22	1	Holder	43	1	

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation

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Anjo, Aichi 446-8502 Japan